

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A production method for a solid electrolytic capacitor which includes a capacitor element including an anode coated with a dielectric oxide film, and an electrically conductive polymer layer provided therein, the method comprising the steps of:

mixing a metal salt of an alkoxybenzenesulfonic acid as an oxidizing agent, with a material for an electrically conductive polymer in a solvent; and

immersing the capacitor element in the resulting mixture solution, and forming the electrically conductive polymer layer in the capacitor element by thermal polymerization.

Claim 2 (Original): A solid electrolytic capacitor production method as set forth in claim 1, wherein a metal for the metal salt is a transition metal selected from the group consisting of iron (III), copper, chromium, cerium, manganese and zinc.

Claim 3 (Currently Amended): A production method for a solid electrolytic capacitor which includes a capacitor element including an anode coated with a dielectric oxide film, and an electrically conductive polymer layer provided therein, the method comprising the steps of:

mixing an oxidizing agent with a material for an electrically conductive polymer in a solvent,

U.S. Patent Application Serial No. 10/541,873
Preliminary amendment

immersing the capacitor element in the resulting mixture solution, and
forming the electrically conductive polymer layer in the capacitor element by thermal
polymerization,
wherein the oxidizing agent is a mixture of at least a metal alkoxybenzenesulfonate and a
metal alkylsulfonate.